

Table S1. Primer sequences used in this work.

Gene	Forward Primers (5'-3')	Reverse Primers (5'-3')
<i>AMT1;1</i>	ATCCGACGCCAACTACACTTCTAC	CGATTGGTCACAGATGAAGTGAG
<i>AMT1;2</i>	AAGCGAGGATGAGACTCAAGGG	GCAGGACTGGCATCATTAACAGG
<i>AMT1;5</i>	ACAGATAGTGGTAATTATAGGGTGGG	CGTGGTCATGGTACACGTAAGC
<i>AMT1;6</i>	GTAACCTATTGTTACCTCTGGGGC	CGTTCCTGAACGCGTCAAT
<i>AMT1;8</i>	GTTGTTAGGCTCTGGAGCCATTG	GCCTTCCCAAACGTGTCAAAC
<i>AMT2;1</i>	GTGACGATGGATCGATTGAGACTC	CCCGCTAACAAAATAAGAGTAATAGCT
<i>AMT2;2</i>	ATATCGGAGATGACGCGGTTT	CGTACGCTGCTGTATTCCGAC
<i>AMT3;1</i>	TCACTGGCCTCGTCTGCATTAC	GGTGTCTGCAACTGCGGATAAC
<i>AMT4;2</i>	GGAGGTCCCAACGTGCACAC	CACGATGAACCGAATCAGAAAAC
<i>AMT4;3</i>	ATCAGTGGCTTAGTTTGCATTACTC	GACTTGCTTTAGGATGCCGATT
<i>NRT2;4</i>	CAGAAGGTGAACCCGGAAG	CAAGTGGAACGTCCTCATGTG
<i>NRT2;5</i>	TTGTGGTCCATCTAAGAACAAGGC	TCATCAGAGGGTCGGGTAACAG
<i>NRT2;7</i>	TCTCCAGGCAGACGAGCATT	GGAGCAAGTGATACTGGTTTGTTC
<i>NRT1;1</i>	CTGGCTGGTCCCACAGTTCTT	CTTCATTCTTCGGGCACTC
<i>NRT1;2</i>	TTAATTGCTGCCACACTTCATAG	CACGATGTTGGTTCTGATACTTC
<i>EF-1α</i> ¹	ATTCAAGTATGCCTGGGTGC	CAGTCAGCCTGTGATGTTC
<i>AMT1;2C</i> ²	ATGGCCACTCTGACCTGCAC	TTATGCAGGACTGGCATCATTAAC
<i>AMT1;2G</i> ³	GGGGTACCATGGCCACTCTG	GCTCTAGATGCAGGACTGGCATC
<i>AMT1;2Y</i> ⁴	GGGGTACCATGGCCACTCTGAC	GCTCTAGATTATGCAGGACTGGCAT
<i>AMT1;2A</i> ⁵	GCTCTAGAATGGCCACTCTGAC	GGGGTACCTTATGCAGGACTG

¹Served as internal control.

²Primers used for cloning of *AMT1;2*.

³Primers used for the expression vector pC1300 containing GFP gene.

⁴Primers used for the expression vectors pYES2.

⁵Primers used for the overexpression vector super1300.

Figure S1. The effect of drought and rewatering on expression levels of AMTs and NRTs in root (A) and leaves (B) of *Malus hupehensis* plants.

